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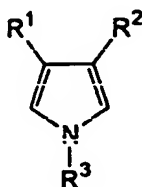
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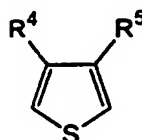
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(54) Title:  $\pi$ -CONJUGATED COPOLYMER PRODUCTION METHOD THEREOF AND CAPACITOR USING THE COPOLYMER



(III)



(IV)

(57) Abstract: The present invention relates to a novel  $\pi$ -conjugated copolymer having a high conductivity, obtained through chemically oxidative polymerization of a thiophene-based unit represented by formula (IV) and a pyrrole-based unit represented by formula (III) at a low temperature, preferably in the presence of a compound containing a counter anion, and production method therefor, and further relates to an article coated with the copolymer, a solid electrolytic capacitor using the copolymer as solid electrolyte and production method for the capacitor.